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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

05/21/2002

Jason Z. Lin 19597 Via Monte Drive Saratoga, CA 95070 EXAMINER

NGUYEN, HOANG V

ART UNIT

CLASS-SUBCLASS

2821

343-70000R

DATE MAILED: 05/21/2002

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/758,598	01/10/2001	Wen-Jen Tseng	UPA-01106	9605

TITLE OF INVENTION: MULTI-FREQUENCY BAND ANTENNA

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280	\$300	\$1580	08/21/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>, THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above. If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

B. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

□ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



Complete and send this form, together with applicable fee(s), to: Mail Box ISSUE FEE

Commissioner for Patents Washington, D.C. 20231 Fax (703)746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1) 7590 05/21/2002

Jason Z. Lin 19597 Via Monte Drive Saratoga, CA 95070 Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the LISPTO, on the date indicated below.

	transmitted to the USPTO, on the date indicated below.
(Depositor's name	
(Signature	
(Date	

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMI	NER	ART UNIT	CLASS-SUBCLASS		
NGUYEN, HOANG V 2821			343-70000R		
CFR 1.363).	ace address or indication of '	,	2. For printing on the patent fr the names of up to 3 registered or agents OR, alternatively, (2	patent attorneys) the name of a	
Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47) attached. Use of a Customer Number is required.			single firm (having as a member a registered attorney or agent) and the names of up to 2		
			registered patent attorneys or agents. If no name is listed, no name will be printed.		

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee categories	ory or categories (will not be printed on the patent)	□ individual	□ corporation or other private group	antity O covernment	
4a. The following fee(s) are enclosed:	4b. Payment of Fee(s)		a corporation of other private group	entity a government	
☐ Issue Fee	☐ A check in the amo	☐ A check in the amount of the fee(s) is enclosed.			
☐ Publication Fee	☐ Payment by credit of	ard. Form PTO-2038 is attached.			
☐ Advance Order - # of Copies	☐ The Commissioner Deposit Account Num	is hereby authorized b	hereby authorized by charge the required fee(s), or credit any overpayment, to er(enclose an extra copy of this form).		
Commissioner for Patents is requested to ap	ply the Issue Fee and Publication Fee (if any) or to	re-apply any previou	usly paid issue fee to the application id	lentified above.	
(Authorized Signature)	(Date)				
other than the applicant; a registered attinterest as shown by the records of the Un This collection of information is required obtain or retain a benefit by the public application. Confidentiality is governed by estimated to take 12 minutes to complete, completed application form to the USPT case. Any comments on the amount of suggestions for reducing this burden, sho	by 37 CFR 1.311. The information is required to which is to file (and by the USPTO to process) at 35 U.S.C. 122 and 37 CFR 1.14. This collection including gathering, preparing, and submitting the O. Time will vary depending upon the individuation of the complete this form and/could be sent to the Chief Information Officer, U.S.	n o n n s s e e al			
NOT SEND FEES OR COMPLETED Commissioner for Patents, Washington, D	tment of Commerce, Washington, D.C. 2023 1. DO D. FORMS TO THIS ADDRESS. SEND TO C 2023 1.): 			

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Jason Z. Lin				NGUYEN, HOANG V	
Saratoga, CA 950				ART UNIT	PAPER NUMBER
				2821	
			Da	ATE MAILED: 05/21/2002	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The patent term adjustment to date is 8 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 8 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

e e	Application No.	Applicant(s)	
AL AL CARL LEVIA	09/758,598	TSENG ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Hoang V Nguyen	2821	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	olication. If not include will be mailed in due	ed course. THIS
1. This communication is responsive to applicants' amendment	ent filed on 13 January 2002.		
2. The allowed claim(s) is/are 1-10 and 12-18.			
3. The drawings filed on are accepted by the Examine			
 Acknowledgment is made of a claim for foreign priority und a) ☐ All b) ☐ Some* c) ☐ None of the: 			
 Certified copies of the priority documents have 			
Certified copies of the priority documents have			
Copies of the certified copies of the priority do	cuments have been received in this	national stage applica	tion from the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:		C	
5. Acknowledgment is made of a claim for domestic priority un		onal application).	
(a) The translation of the foreign language provisional a			
6. Acknowledgment is made of a claim for domestic priority u	nder 35 U.S.C. §§ 120 and/or 121.		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of 7. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives reas	this application. THIS THREE-MON nitted. Note the attached EXAMINER	NTH PERIOD IS NOT BYS AMENDMENT or I	EXTENDABLE.
, , ,			
8. CORRECTED DRAWINGS must be submitted.		049) offeebad	
(a) including changes required by the Notice of Draftsper	son's Patent Drawing Review (PTO	-948) атаспес	
1) ☐ hereto or 2) ☒ to Paper No. <u>3</u> .		1.1.1	
(b) including changes required by the proposed drawing of Examiner.			
(c) \square including changes required by the attached Examiner	's Amendment / Comment or in the (Office action of Paper	No
Identifying indicia such as the application number (see 37 CFR 1 of each sheet. The drawings should be filed as a separate paper	.84(c)) should be written on the drawing with a transmittal letter addressed to	ngs in the top margin (the Official Draftspers	not the back) on.
9. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT FOR T	sit of BIOLOGICAL MATERIAL r THE DEPOSIT OF BIOLOGICAL MA	must be submitted. I TERIAL.	Note the
Attachment(s)			
1 □ Notice of References Cited (PTO-892) 3 □ Notice of Draftperson's Patent Drawing Review (PTO-948) 5 □ Information Disclosure Statements (PTO-1449), Paper No 7 □ Examiner's Comment Regarding Requirement for Deposit of Biological Material	4☐ Interview Summ 6☐ Examiner's Ame	al Patent Application (ary (PTO-413), Paper Indment/Comment Indement of Reasons for	· No
Supervisory Patent Examiner			

U.S. Patent and Trademark Office PTO-37 (Rev. 04-01) Technology Center 2800

Application Number: 09/758,598

Art Unit: 2821

Allowable Subject Matter

- 1. Claims 1-10 and 12-18 are allowed.
- 2. The application having been allowed, formal drawings are required in response to this Office Action.
- 3. The following is an examiner's statement of reasons for allowance:

With respect to claim 1, Wass discloses a multi-frequency band antenna comprising a first radiating element being shaped as an extended bent wire for functioning as an antenna element of a first frequency band, the first radiating element comprising a conductive material, a second radiating element being shaped as an extended bent wire for functioning as an antenna element of a second frequency band, the second frequency band being different from the first frequency band, the second radiating element comprising a conductive material, and a feed radiating element (not numbered) having a first end being used as a signal feed point for signals of the first and second frequency bands, and a second end being electrically connecting the first radiating element to the second radiating element and forming a top loaded structure. Wass, however, fails to further teach that the feed radiating element being disposed on a plane neither containing nor in parallel with the first and second radiating elements, and the feed radiating element forms an angle in a range between 70° to 180° with a surface containing the first or second radiating element.

Claims 2-10 and 12-18 are allowed for depending upon claim 1.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

Application Number: 09/758,598

Art Unit: 2821

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Correspondence

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoang V Nguyen whose telephone number is (703) 306-3444. The examiner can normally be reached on Mondays-Fridays from 9:00 a.m. to 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (703) 308-4856. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

6. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

hvn May 7, 2002

Supervisory Patent Examinar

Technology Center 28